

Amendment and Response under 37 C.F.R. 1.116

Applicant: Bradley J. Anderson et al.

Serial No.: 09/938,981

Filed: August 24, 2001

Docket No.: 10006905-1

Title: DUAL SCANNER SYSTEM AND METHOD

IN THE CLAIMS

Please cancel claims 1-8, 10-14, 16, 23, 25, and 31 without prejudice.

Please amend claims 15, 17-20, 22, 24, 26-28, 30, and 32 as follows:

1-14. (Cancelled)

15. (Currently Amended) The system of claim 1420, wherein the first scanner and the second scanner are adapted to substantially simultaneously scan the first side of the medium and the second side of the medium.

16. (Cancelled)

17. (Currently Amended) The system of claim 16A system for reproducing an image disposed on at least one of a first side and a second side of a medium, the system comprising:
a first scanner adapted to scan the first side of the medium and generate a first side data signal;

a second scanner adapted to scan the second side of the medium and generate a second side data signal;

a controller adapted to receive the first side data signal and the second side data signal and generate an image reproduction data signal based on the first side data signal and the second side data signal; and

a reproduction unit adapted to receive the image reproduction data signal and reproduce the image based on the image reproduction data signal.

wherein, if the image is disposed only on the first side of the medium and the second side of the medium is blank, the first side data signal includes a first image signal and the second side data signal includes a blank signal, and

wherein the reproduction unit is adapted to reproduce and print the image on a first side of a print medium based on the first image signal and, in response to the blank signal, discontinue reproduction of the image and eject the print medium.

Amendment and Response under 37 C.F.R. 1.116

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Title: DUAL SCANNER SYSTEM AND METHOD

18. (Currently Amended) ~~The system of claim 16~~A system for reproducing an image disposed on at least one of a first side and a second side of a medium, the system comprising:
a first scanner adapted to scan the first side of the medium and generate a first side data signal;
a second scanner adapted to scan the second side of the medium and generate a second side data signal;
a controller adapted to receive the first side data signal and the second side data signal and generate an image reproduction data signal based on the first side data signal and the second side data signal; and
a reproduction unit adapted to receive the image reproduction data signal and reproduce the image based on the image reproduction data signal.
wherein, if the image is disposed only on the first side of the medium and the second side of the medium is blank, the first side data signal includes a first image signal and the second side data signal includes a blank signal, and
wherein the reproduction unit is adapted to reproduce and display the image based on the first image signal and, in response to the blank signal, discontinue reproduction of the image and prevent display of a blank image.

19. (Currently Amended) ~~The system of claim 16~~20, wherein, if the image is disposed on both the first side and the second side of the medium, the first side data signal includes the first image signal and the second side data signal includes a second image signal, wherein the image reproduction data signal includes the first image signal and the second image signal, and wherein the reproduction unit is adapted to reproduce the image based on the first image signal and the second image signal.

20. (Currently Amended) ~~The system of claim 16~~A system for reproducing an image disposed on at least one of a first side and a second side of a medium, the system comprising:
a first scanner adapted to scan the first side of the medium and generate a first side data signal;
a second scanner adapted to scan the second side of the medium and generate a second side data signal;

Amendment and Response under 37 C.F.R. 1.116

Applicant: Bradley J. Anderson et al.

Serial No.: 09/938,981

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Docket No.: 10006905-1

Title: DUAL SCANNER SYSTEM AND METHOD

a controller adapted to receive the first side data signal and the second side data signal and generate an image reproduction data signal based on the first side data signal and the second side data signal; and

a reproduction unit adapted to receive the image reproduction data signal and reproduce the image based on the image reproduction data signal.

wherein, if the image is disposed only on the first side of the medium and the second side of the medium is blank, the first side data signal includes a first image signal and the second side data signal includes a blank signal, wherein the image reproduction data signal includes the first image signal and the blank signal, and wherein the reproduction unit is adapted to reproduce the image based on the first image signal and, in response to the blank signal, discontinue reproduction of the image, and

wherein, if the first side and the second side of the medium are both blank, the first side data signal includes a first blank signal and the second side data signal includes a second blank signal, wherein the image reproduction data signal includes the first blank signal and the second blank signal, and wherein, in response to the first blank signal and the second blank signal, the reproduction unit is adapted to discontinue reproduction of the image.

21. (Original) The system of claim 20, wherein, in response to the first blank signal and the second blank signal, the reproduction unit is adapted to eject a blank print medium.

22. (Currently Amended) The system of claim 1420, further comprising:
an automatic document feeder adapted to receive the medium and position the medium between the first scanner and the second scanner.

23. (Cancelled)

24. (Currently Amended) The method of claim 2332, wherein scanning the first side of the medium and scanning the second side of the medium occur substantially simultaneously.

25. (Cancelled)

Amendment and Response under 37 C.F.R. 1.116

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Serial No.: 09/938,981

Filed: August 24, 2001

Docket No.: 10006905-1

Title: DUAL SCANNER SYSTEM AND METHOD

26. (Currently Amended) ~~The method of claim 25A~~ method of reproducing an image disposed on at least one of a first side and a second side of a medium, the method comprising:

scanning the first side of the medium, including generating a first side data signal;

scanning the second side of the medium, including generating a second side data signal;

generating an image reproduction data signal based on the first side data signal and the second side data signal; and

reproducing the image based on the image reproduction data signal,

wherein, if the image is disposed on the first side of the medium and the second side of the medium is blank, generating the first side data signal includes generating a first image signal and generating the second side data signal includes generating a blank signal, and

wherein reproducing the image includes reproducing the image based on the first image signal includes including printing the image on a first side of a print medium, and, wherein in response to the blank signal, discontinuing reproducing the image includes including ejecting the print medium after printing the image on the first side of the print medium.

27. (Currently Amended) ~~The method of claim 25A~~ method of reproducing an image disposed on at least one of a first side and a second side of a medium, the method comprising:

scanning the first side of the medium, including generating a first side data signal;

scanning the second side of the medium, including generating a second side data signal;

generating an image reproduction data signal based on the first side data signal and the second side data signal; and

reproducing the image based on the image reproduction data signal,

wherein, if the image is disposed on the first side of the medium and the second side of the medium is blank, generating the first side data signal includes generating a first image signal and generating the second side data signal includes generating a blank signal, and

wherein reproducing the image includes reproducing the image based on the first image signal includes including displaying the image, and, wherein in response to the blank

Amendment and Response under 37 C.F.R. 1.116

Applicant: Bradley J. Anderson et al.

Serial No.: 09/938,981

Filed: August 24, 2001

Docket No.: 10006905-1

Title: DUAL SCANNER SYSTEM AND METHOD

signal, discontinuing reproducing the image includes including preventing display of a blank image.

28. (Currently Amended) The method of claim 2332, wherein, if the image is disposed on both the first side and the second side of the medium, generating the first side data signal includes generating the first image signal and generating the second side data signal includes generating a second image signal, wherein generating the image reproduction data signal includes including the first image signal and the second image signal.

29. (Previously Presented) The method of claim 28, further comprising:
reproducing the image based on the image reproduction data signal, including
reproducing the image based on the first image signal and the second image signal.

30. (Currently Amended) The method of claim 2332, wherein scanning the first side of the medium includes scanning the first side of the medium with a first scanner, and wherein scanning the second side of the medium includes scanning the second side of the medium with a second scanner, and further comprising:
positioning the medium between the first scanner and the second scanner.

31. (Cancelled)

32. (Currently Amended) ~~The method of claim 31, further comprising:~~ A method of reproducing an image disposed on at least one of a first side and a second side of a medium, the method comprising:

scanning the first side of the medium, including generating a first side data signal;

scanning the second side of the medium, including generating a second side data

signal;

generating an image reproduction data signal based on the first side data signal and the second side data signal; and

reproducing the image based on the image reproduction data signal,

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Title: DUAL SCANNER SYSTEM AND METHOD

wherein, if the image is disposed on the first side of the medium and the second side of the medium is blank, generating the first side data signal includes generating a first image signal and generating the second side data signal includes generating a blank signal, and

wherein, if the first side and the second side of the medium are both blank, generating the first side data signal includes generating a first blank signal and generating the second side data signal includes generating a second blank signal, wherein reproducing the image including includes, in response to the first blank signal and the second blank signal, discontinuing reproducing the image.